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<b>Substitute for form 1449B/PTO</b> <b>SECOND SUPPLEMENTAL</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete If Known</b>	
			Application Number	
			09/894,018	
			Filing Date	
			June 27, 2001	
			First Named Inventor	
SETTE				
Art Unit				
4891 1647				
Examiner Name				
Ardin H. Marscher Allen				
Attorney Docket Number				
2060.0320003/EKS/PAC				

Sheet	1	of	9
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
MPA	NPL81	Alexander, J., et al., "Development of High Potency Universal DR-Restricted Helper Epitopes by Modification of High Affinity DR-Blocking Peptides," <i>Immunity</i> 1:751-761, Cell Press (1994)	
	NPL82	Barouch, D., et al., "HLA-A2 Subtypes Are Functionally Distinct in Peptide Binding and Presentation," <i>J. Exp. Med.</i> 182:1847-1858, Rockefeller University Press (1995)	
	NPL83	Bender, A., et al., "Improved methods for the generation of dendritic cells from nonproliferating progenitors in human blood," <i>J. Immunol. Methods</i> 196:121-135, Elsevier Science (1996)	
	NPL84	Ben-Yedidia, T., and Arnon, R., "Design of peptide and polypeptide vaccines," <i>Curr. Opin. Biotechnol.</i> 8:442-448, Current Biology, Ltd. (1997)	
	NPL85	Carbone, F.R., and Bevan, M.J., "Induction of Ovalbumin-Specific Cytotoxic T Cells by In Vivo Peptide Immunization," <i>J. Exp. Med.</i> 169:603-612, Rockefeller University Press (1989)	
	NPL86	Carbone, F.R., et al., "Induction of Cytotoxic T Lymphocytes by Primary In Vitro Stimulation with Peptides," <i>J. Exp. Med.</i> 167:1767-1779, Rockefeller University Press (1988)	
	NPL87	Cassell, D., and Forman, J., "Linked Recognition of Helper and Cytotoxic Antigenic Determinants for the Generation of Cytotoxic T Lymphocytes," <i>Ann. N.Y. Acad. Sci.</i> 532:51-60, New York Academy Of Sciences (1991)	
	NPL88	Deres, K., et al., "In vivo priming of virus-specific cytotoxic T lymphocytes with synthetic lipopeptide vaccine," <i>Nature</i> 342:561-564, Nature Publishing Group (1989)	
	NPL89	del Guercio, M-F., et al., "Potent immunogenic short linear peptide constructs composed of B cell epitopes and Pan DR T Helper Epitopes (PADRE) for antibody responses in vivo," <i>Vaccine</i> 15:441-448, Elsevier Science (March 1997)	

Examiner Signature	<i>MP Allen</i>	Date Considered	11/28/05
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			Examiner Name		Arden H. Marschall <i>Allen</i>	
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<i>MPA</i>	NPL90	DiBrino, M., et al., "Endogenous Peptides with Distinct Amino Acid Anchor Residue Motifs Bind to HLA-A1 and HLA-B8," J. Immunol. 152:620-631, American Association of Immunologists (1994)	
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	NPL92	Donnelly, J.J., et al., "DNA Vaccines," Annu. Rev. Immunol. 15:617-648, Annual Reviews Inc. (April 1997)	
	NPL93	Francis, M.J., et al., "Non-responsiveness to a foot-and-mouth disease virus peptide overcome by addition of foreign helper T-cell determinants," Nature 330:168-170, Nature Publication Group (1987)	
	NPL94	Fynan, E.F., et al., "DNA vaccines: Protective immunizations by parental, mucosal, and gene-gun inoculations," Proc. Natl. Acad. Sci. USA 90:11478-11482, National Academy of Sciences (1993)	
	NPL95	Golvano, J., et al., "Polarity of immunogens: Implications for vaccine design," Eur. J. Immunol. 20:2363-2366, VCH Verlagsgesellschaft mbH (1990)	
	NPL96	Gulukota, K., et al., "Two Complementary Methods for Predicting Peptides Binding Major Histocompatibility Complex Molecules," J. Mol. Biol. 267:1258-1267, Academic Press Limited (April 1997)	

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				Examiner Name		Ardin H. Marschal <i>Allen</i>
Sheet	3	of	9	Attorney Docket Number		2060.0320003/EKS/PAC

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<i>mpt</i>	NPL97	Hammer, J., et al., "Precise Prediction of Major Histocompatibility Complex Class II-Peptide Interaction Based on Peptide Side Chain Scanning," J. Exp. Med. 180:2353-2358, Rockefeller University Press (1994)	
	NPL98	Hill, C.M., et al., "Exploration of Requirements for Peptide Binding to HLA DRB1*0101 and DRB1*0401," J. Immunol. 152:2890-2898, American Association of Immunologists (1994)	
	NPL99	Huczko, E.L., et al., "Characteristics of Endogenous Peptides Eluted from the Class I MHC Molecule HLA-B7 Determined by Mass Spectrometry and Computer Modeling," J. Immunol. 151:2572-2587, American Association of Immunologists (1993)	
	NPL100	Ishioka, G.Y., et al., "Class I MHC-restricted, peptide specific cytotoxic T lymphocytes generated by peptide priming in vivo," In Vaccines90: Modern Approaches to New Vaccines Including Prevention of AIDS, Brown, F., et al., eds., Cold Spring harbor Laboratory Press, Cold Spring Harbor, NY, pp. 7-11 (1990)	
	NPL101	Ishioka, G.Y., et al., "Induction of Class I MHC-Restricted, Peptide-Specific Cytolytic T Lymphocytes by Peptide Priming In Vivo," J. Immunol. 143:1094-1100, American Association of Immunologists (1989)	
	NPL102	Jardetzky, T.S., et al., "Peptide binding to HLA-DR1: a peptide with most residues substituted to alanine retains MHC binding," EMBO J. 9:1797-1803, Oxford University Press (1990)	
	NPL103	Kast, W.M., et al., "Protection against lethal Sendai virus infection by in vivo priming of virus-specific cytotoxic T lymphocytes with a free synthetic peptide," Proc. Natl. Acad. Sci. USA 88:2283-2287, National Academy of Sciences (1991)	
	NPL104	Kondo, A., et al., "Two distinct HLA-A*0101-specific submotifs illustrate alternative peptide binding modes," Immunogenetics 45:249-258, Springer-Verlag (January 1997)	
	NPL105	Kubitscheck, U., et al., "Peptide Binding to Class I Molecules of the Major Histocompatibility Complex on the Surface of Living Target Cells," Scand. J. Immunol. 36:341-348, Blackwell Scientific Publications (1992)	
<i>✓</i>	NPL106	Kubo, R.T., et al., "Definition of Specific Peptide Motifs for Four Major HLA-A Alleles," J. Immunol. 152:3913-3924, American Association of Immunologists (1994)	

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			Art Unit		1631-1647	
			Examiner Name		Ardin H. Marschal Allen	
Sheet	4	of	9	Attorney Docket Number		2080.0320003/EKS/PAC

NON PATENT LITERATURE DOCUMENTS				
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MPA	NPL107	Kumar, A., et al., "Universal T Helper Cell Determinants Enhance Immunogenicity of a Plasmodium falciparum Merozoite Surface Antigen Peptide," J. Immunol. 148:1499-1505, American Association of Immunologists (1992)		
	NPL108	Lesarte, J.-J., et al., "Induction of Cytotoxic T Lymphocytes in Mice against the Principal Neutralizing Domain of HIV-1 by Immunization with an Engineered T-Cytotoxic-T-Helper Synthetic Helper Peptide Construct," Cell. Immunol. 141:211-218, Academic Press Inc. (1992)		
	NPL109	Madden, D.R., et al., "The structure of HLA-B27 reveals nonamer self-peptides bound in an extended conformation," Nature 353:321-325, Nature Publishing Group (1991)		
	NPL110	Maier, R., et al., "Peptide motifs of HLA-A3, -A24, and -B7 molecules as determined by pool sequencing," Immunogenetics 40:306-308, Springer-Verlag (1994)		
	NPL111	Martinon, F., et al., "Immunization of Mice with Lipopeptides Bypasses the Prerequisites for Adjuvant," J. Immunol. 149:3416-3422, American Association of Immunologists (1992)		
	NPL112	Niedermann, G., et al., "The specificity of proteasomes: impact on MHC class I processing and presentation of antigens," Immunol. Rev. 172:29-48, Munksgaard (December 1999)		
	NPL113	Nikolić-Zugčić, J., and Carbone, F.R., "Peptide Presentation by Class-I Major Histocompatibility Complex Molecules," Immunol. Res. 10:54-65, S. Karger AG (1991)		
	NPL114	O'Sullivan, D., et al., "Characterization of the Specificity of Peptide Binding to Four DR Haplotypes," J. Immunol. 145:1799-1808, American Association of Immunologists (1990)		
	NPL115	O'Sullivan, D., et al., "On the Interaction of Promiscuous Antigenic Peptides with Different DR Alleles," J. Immunol. 147:2883-2889, American Association of Immunologists (1991)		

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<i>MPA</i>	NPL116	Panina-Bordignon, P., et al., "Universally immunogenic T cell epitopes: promiscuous binding to human MHC class II and promiscuous recognition by T cells," Eur. J. Immunol. 19:2237-2242, VCH Verlagsgesellschaft mbH (1989)		
	NPL117	Penna, A., et al., "Cytotoxic T Lymphocytes Recognize an HLA-A2-Restricted Epitope Within the Hepatitis B Virus Nucleocapsid Antigen," J. Exp. Med. 174:1565-1570, Rockefeller University Press (1991)		
	NPL118	Pryjma, J., et al., "Induction and Suppression of Immunoglobulin Synthesis in Cultures of Human Lymphocytes: Effects of Pokeweed Mitogen and Staphylococcus Aureus Cowan I," J. Immunol. 124:658-661, Williams & Wilkins Co. (1980)		
	NPL119	Rahemtulla, A., et al., "Normal development and function of CD8+ cells but markedly decreased helper cell activity in mice lacking CD4," Nature 353:180-183, Nature Publishing Group (1991)		
	NPL120	Rammensee, H-G., et al., "SYFPEITHI: database for MHC ligands and peptide motifs," Immunogenetics 50:213-219, Springer-Verlag (November 1999)		
	NPL121	Reitermann, A., et al., "Lipopeptide Derivatives of Bacterial Lipoprotein Constitute Potent Immune Adjuvants Combined with or Covalently Coupled to Antigen or Hapten," Biol. Chem. Hoppe Seyler 370:343-352, Walter De Gruyter (1989)		
	NPL122	Saper, M.A., et al., "Refined Structure of the Human Histocompatibility Antigen HLA-A2 at 2.6 Å Resolution," J. Mol. Biol. 219:277-319, Academic Press Ltd. (1991)		
	NPL123	Schaeffer, E.B., et al., "Relative contribution of 'determinant selection' and 'holes in the T-cell repertoire' to T-cell responses," Proc. Natl. Acad. Sci. USA 86:4649-4653, National Academy of Sciences (1989)		

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MPA	NPL124	Schumacher, T.N.M., et al., "Peptide selection by MHC class I molecules," Nature 350:703-706, Nature Publishing Group (1991)	
	NPL125	Sette, A., and Sidney, J., "HLA supertypes and supermotifs: a functional perspective on HLA polymorphism," Curr. Opin. Immunol. 10:478-482, Current Biology Publications (August 1998)	
	NPL126	Sette, A., et al., "A Novel Approach to the Generation of High Affinity Class II-Binding Peptides," J. Immunol. 145:1809-1813, American Association of Immunologists (1990)	
	NPL127	Sette, A., et al., "Peptide Binding to the Most Frequent HLA-A Class I Alleles Measured by Quantitative Molecular Binding Assays," Mol. Immunol. 31:813-822, Pergamon Press (1994)	
	NPL128	Sidney, J., et al., "Definition of an HLA-A3-Like Supermotif Demonstrates the Overlapping Peptide-Binding Repertoires of Common HLA Molecules," Hum. Immunol. 45:79-93, Elsevier Science Inc. (1996)	
	NPL129	Sidney, J., et al., "Practical, biochemical and evolutionary implications of the discovery of HLA class I supermotifs," Immunol. Today 17:261-266, Elsevier Science (1996)	
	NPL130	Sidney, J., et al., "The HLA-A*0207 Peptide Binding Repertoire is Limited to a Subset of the A*0201 Repertoire," Hum. Immunol. 58:12-20, Elsevier Science Inc. (November 1997)	
	NPL131	Sinigaglia, F., and Hammer, J., "Defining rules for the peptide-MHC class II interaction," Curr. Opin. Immunol. 6:52-56, Current Biology Ltd. (1994)	
	NPL132	Southwood, S., et al., "Several Common HLA-DR Types Share Largely Overlapping Peptide Binding Repertoires," J. Immunol. 160:3363-3373, American Association of Immunologists (April 1998)	

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<i>MAA</i>	NPL133	Sprent, J., and Schaefer, M., "Properties of Purified T Cell Subsets. I. In Vitro Responses to Class I vs. Class II H-2 Alloantigens," <i>J. Exp. Med.</i> 162:2068-2088, Rockefeller University Press (1985)	
	NPL134	Stark, J.M., et al., "Immunogenicity of lipid-conjugated antigens. I. The Influence of Chain Length and Degree of Conjugation on Induction of Antibody in Mice," <i>Immunology</i> 39:345-352, Blackwell Scientific Publications (1980)	
	NPL135	Steinman, R.M., "Dendritic cells and immune-based therapies," <i>Exp. Hematol.</i> 24:859-862, Elsevier Science Inc. (1996)	
	NPL136	Sudo, T., et al., "Differences in MHC Class I Self Peptide Repertoires Among HLA-A2 Subtypes," <i>J. Immunol.</i> 155:4749-4756, American Association of Immunologists (1995)	
	NPL137	Sugawara, S., et al., "A simple method to eliminate the antigenicity of surface class I MHC molecules from the membrane of viable cells by acid treatment at pH 3," <i>J. Immunol. Methods</i> 100:83-90, Elsevier Science (1987)	
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<i>✓</i>	NPL142	Wentworth, P.A., et al., "In Vitro Induction of Primary, Antigen-Specific CTL from Human Peripheral Blood Mononuclear Cells Stimulated with Synthetic Peptides," <i>Mol. Immunol.</i> 32:603-612, Elsevier Science Ltd. (1995)	

Examiner Signature	<i>MP Allen</i>	Date Considered	11/28/05
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			Application Number	09/894,018		
			Filing Date	June 27, 2001		
			First Named Inventor	SETTE		
			Art Unit	1631/647		
			Examiner Name	Ardin H. Marschall A/HCH		
Sheet	8	of	9	Attorney Docket Number		2060.0320003/EKS/PAC

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
MPA	NPL143	Widmann, C., et al., "T helper epitopes enhance the cytotoxic response of mice immunized with MHC class I-restricted malaria peptides," J. Immunol. Meth. 155:95-99, Elsevier Science Publishers B.V. (1992)	
	NPL144	Wiesmüller, K-H., et al., "Lipopeptide-Helper-T-Cell Epitope-CTL Epitope Conjugate Induces Antibodies Against the CTL Epitope," Innovation Perspective Solid Phase Synthesis Collect. Papers, Int. Symp. 2nd, pp. 499-502 (1991)	
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	NPL150	An, L-L., and Whitton, J.L., "A Multivalent Minigene Vaccine, Containing B-Cell, Cytotoxic T-Lymphocyte, and T <sub>H</sub> Epitopes from Several Microbes, Induces Appropriate Responses In Vivo and Confers Protection against More than One Pathogen," J. Virol. 71:2292-2302, American Society for Microbiology (1997)	
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	NPL152	Hanke, T., et al., "DNA multi-CTL epitope vaccines for HIV and Plasmodium falciparum: immunogenicity in mice," Vaccine 16:426-435, Elsevier Science (February 1998)	
	NPL153	Hanke, T., et al., "Immunogenicities of intravenous and intramuscular administrations of modified vaccinia virus Ankara-based multi-CTL epitope vaccine for human immunodeficiency virus type 1 in mice," J. Gen. Virol. 79:83-90, Society for General Microbiology (January 1998)	

Examiner Signature	<i>MPA</i>	Date Considered	11/28/05
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				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1631 1647
				Examiner Name	Ardin H. Marschall Allen
Sheet	9	of	9	Attorney Docket Number	2060.0320003/EKS/PAC

MPA	NPL154	Iwasaki, A., <i>et al.</i> , "Epitope-specific cytotoxic T lymphocyte induction by minigene DNA immunization," <i>Vaccine</i> 17:2081-2088, Elsevier Science (April 1999)	
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	NPL161	Thomson, S.A., <i>et al.</i> , "Minimal epitopes expressed in a recombinant polypeptide protein are processed and presented to CD8 <sup>+</sup> cytotoxic T cells: Implications for vaccine design," <i>Proc. Natl. Acad. Sci. USA</i> 92:5845-5849, National Academy of Sciences (1995)	
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	NPL165	Whitton, J.L., <i>et al.</i> , "A 'String-of-Beads' Vaccine, Comprising Linked Minigenes, Confers Protection from Lethal-Dose Virus Challenge," <i>J. Virol.</i> 67:348-352, American Society for Microbiology (1993)	
✓	NPL166	Woodberry, T., <i>et al.</i> , "Immunogenicity of a Human Immunodeficiency Virus (HIV) Polytope Vaccine Containing Multiple HLA A2 HIV CD8 <sup>+</sup> Cytotoxic T-Cell Epitopes," <i>J. Virol.</i> 73:5320-5325, American Society for Microbiology (July 1999)	

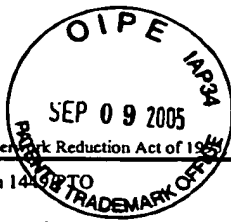
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<b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1051 1647
				Examiner Name	Ardin H. Marschet <i>Allen</i>
Sheet	1	of	2	Attorney Docket Number	2060.0320003/EKS/PAC

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Pages, Columns, Lines
		Number-Kind Code <sup>2</sup> (if known)			
<i>MPA</i> ↓	US1	5,200,320	04/06/1993	Sette <i>et al.</i>	
	US2	5,503,829	04/02/1996	Ladant <i>et al.</i>	
	US3	5,662,907	09/02/1997	Kubo <i>et al.</i>	
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	US5	6,034,214	03/07/2000	Boon <i>et al.</i>	
	US6	6,413,517	07/02/2002	Sette <i>et al.</i>	
	US7	2002/0098197 A1	07/25/2002	Sette <i>et al.</i>	
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> Number <sup>2</sup> Kind Code <sup>2</sup>				
<i>MPA</i> ↓	FP1	EP 0 044 710 A1	01/27/1982	Scripps Clinic & Research Foundation		
	FP2	EP 0 226 513 A1	06/24/1987	Institut Pasteur		Abs
	FP3	WO 92/02543 A1	02/20/1992	Cytel Corp. <i>et al.</i>		
	FP4	WO 92/12996 A2	08/06/1992	Immune Response Corp.		
	FP5	WO 92/21033 A1	11/26/1992	Max-Planck-Gesellschaft		Abs
	FP6	WO 93/03764 A1	03/04/1993	Cytel Corp.		
	FP7	WO 94/03205 A1	02/17/1994	Cytel Corp.		
	FP8	WO 94/11738 A1	05/26/1994	Max-Planck-Gesellschaft		Abs
	FP9	WO 94/20127 A1	09/15/1994	Cytel Corp.		
	FP10	WO 95/04817 A1	02/16/1995	Cytel Corp.		
	FP11	WO 95/22317 A1	08/24/1995	Cytel Corp.		

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				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1631 / 1647
				Examiner Name	Ardin H. Marschel Allen
Sheet	2	of	2	Attorney Docket Number	2060.0320003/EKS/PAC

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Pages, Columns, Lines

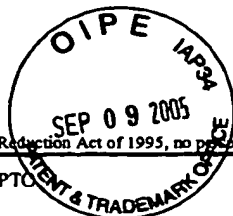
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Pages, Columns, Lines	T <sup>6</sup>
MPA	FP12*	WO 96/03140 A1	02/08/1996	Cytel Corp.		
	FP13*	WO 97/33602 A1	09/18/1997	Cytel Corp.		
	FP14*	WO 97/34621 A1	09/25/1997	Cytel Corp.		
	FP15*	WO 98/32456 A1	07/30/1998	Epimmune Inc.		
	FP16*	WO 99/45954 A1	09/16/1999	Epimmune Inc.		
	FP17*	WO 99/58658 A2	11/18/1999	Epimmune Inc.		
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	FP19*	WO 99/65522 A1	12/23/1999	Epimmune Inc.		
	FP20*	WO 02/20616	03/14/2002	Epimmune Inc.		
	FP21*	WO 02/061435 A2	08/08/2002	Epimmune Inc.		

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				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1631-1847
				Examiner Name	Ardin H. Marscher <i>Allen</i>
Sheet	1	of	8	Attorney Docket Number	2060.0320003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author, title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher	T <sup>2</sup>
<i>MPA</i>	NPL1	Aichele, P., <i>et al.</i> , "Antiviral cytotoxic T cell response induced by in vivo priming with a free synthetic peptide," <i>J. Exp. Med.</i> 171:1815-1820, Rockefeller University Press (1990)	
	NPL2	Alexander, J., <i>et al.</i> , "Derivation of HLA-A11/K <sup>b</sup> Transgenic Mice. Functional CTL Repertoire and Recognition of Human A11-Restricted CTL Epitopes," <i>J. Immunol.</i> 159:4753-4761, The American Association of Immunologists (November 1997)	
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	NPL4	Bjorkman, P.J., <i>et al.</i> , "Structure of the human class I histocompatibility antigen, HLA-A2," <i>Nature</i> 329:506-512, Macmillan Publishers, Ltd. (1987)	
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	NPL6	Buus, S., <i>et al.</i> , "Autologous Peptides Constitutively Occupy the Antigen Binding Site on Ia," <i>Science</i> 242:1045-1047, American Association for the Advancement of Science (1988)	
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	NPL9	De Bruijn, M.L.H., <i>et al.</i> , "Peptide loading of empty major histocompatibility complex molecules on RMA-S cells allows the induction of primary cytotoxic T lymphocyte responses," <i>Eur. J. Immunol.</i> 21:2963-2970, VCH Verlagsgesellschaft mbH (1991)	

Examiner Signature	<i>MP Allen</i>	Date Considered	11/28/05
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				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1634 1647
				Examiner Name	Ardin H. Marschel Allen
Sheet	2	of	8	Attorney Docket Number	2060.0320003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author, title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher	T <sup>3</sup>
MA	NPL10	Deres, K., <i>et al.</i> , "In vivo priming of virus-specific cytotoxic T lymphocytes with synthetic lipopeptide vaccine," <i>Nature</i> 342:561-564, Macmillan Publishers, Ltd. (1989)	
	NPL11	DiBrino, M., <i>et al.</i> , "HLA-A1 and HLA-A3 T Cell Epitopes Derived from Influenza Virus Proteins Predicted from Peptide Binding Motifs," <i>J. Immunol.</i> 151:5930-5935, The Association of Immunologists (December 1993)	
	NPL12	DiBrino, M., <i>et al.</i> , "Endogenous peptides bound to HLA-A3 possess a specific combination of anchor residues that permit identification of potential antigenic peptides," <i>Proc. Natl. Acad. Sci. USA</i> 90:1508-1512, National Academy Press (February 1993)	
	NPL13	Ding, Y.-H., <i>et al.</i> , "Two Human T Cell Receptors Bind in a Similar Diagonal Mode to the HLA-A2/Tax Peptide Complex Using Different TCR Amino Acids," <i>Immunity</i> 8:403-11, Cell Press (April 1998)	
	NPL14	Eisenlohr, L.C., <i>et al.</i> , "Flanking Sequences Influence the Presentation of an Endogenously Synthesized Peptide to Cytotoxic T Lymphocytes," <i>J. Exp. Med.</i> 175:481-487, The Rockefeller University Press (February 1992)	
	NPL15	Engelhard, V.H., "Structure of peptides associated with MHC Class I molecules," <i>Curr. Opin. Immunol.</i> 6:13-23, Current Biology, Ltd. (February 1994)	
	NPL16	Falk, K., <i>et al.</i> , "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules," <i>Nature</i> 351:290-296, Macmillan Publishers, Ltd. (1991)	
	NPL17	Falk, K., <i>et al.</i> , "MHC peptide motif register. Peptide motifs of HLA-B35 and -B37 molecules," <i>Immunogenetics</i> 38:161-162, Springer-Verlag (April 1993)	
	NPL18	Falk, K., <i>et al.</i> , "Allele-specific peptide ligand motifs of HLA-C molecules," <i>Proc. Natl. Acad. Sci. USA</i> 90:12005-12009, National Academy Press (December 1993)	
	NPL19	Falk, K., <i>et al.</i> , "Pool sequencing of natural HLA-DR, DQ, and DP ligands reveals detailed peptide motifs, constraints of processing, and general rules," <i>Immunogenetics</i> 39:230-242, Springer-Verlag (February 1994)	

Examiner Signature	<i>MP Allen</i>	Date Considered	11/28/05
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				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	163T 1647
				Examiner Name	Ardin H. Marschel Allen
Sheet	3	of	8	Attorney Docket Number	2060.0320003

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MA	NPL20	Falk, K., <i>et al.</i> , "Peptide motifs of HLA-A1, -A11, -A31, and -A33 molecules," <i>Immunogenetics</i> 40:238-241, Springer-Verlag (July 1994)	
	NPL21	Foon, K.A., "Biological Response Modifiers: The New Immunotherapy," <i>Cancer Res.</i> 49:1621-1639, American Association for Cancer Research (1989)	
	NPL22	Geysen, H.M., <i>et al.</i> , "Cognitive Features of Continuous Antigenic Determinants," <i>J. Mol. Recognit.</i> 1:32-41, Heyden & Sons, Ltd. (1988)	
	NPL23	Guo, H.-C., <i>et al.</i> , "Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle," <i>Nature</i> 360:364-366, Macmillan Publishers, Ltd. (November 1992)	
	NPL24	Henderson, R.A., <i>et al.</i> , "HLA-A2.1-Associated Peptides from a Mutant Cell Line: A Second Pathway of Antigen Presentation," <i>Science</i> 255:1264-1266, American Association for the Advancement of Science (March 1992)	
	NPL25	Hill, A., <i>et al.</i> , "Characterization of two Epstein-Barr virus epitopes restricted by HLA-B7," <i>Eur. J. Immunol.</i> 25:18-24, VCH Verlagsgesellschaft mbH (January 1995)	
	NPL26	Jameson, S.C., and Bevan, M.J., "Dissection of major histocompatibility complex (MHC) and T cell receptor contact residues in a K <sup>b</sup> -restricted ovalbumin peptide and an assessment of the predictive power of MHC-binding motifs," <i>Eur. J. Immunol.</i> 22:2663-2667, VCH Verlagsgesellschaft mbH (October 1992)	
	NPL27	Jardetzky, T.S., <i>et al.</i> , "Identification of self peptides bound to purified HLA-B27," <i>Nature</i> 353:326-329, Macmillan Publishers, Ltd. (1991)	
	NPL28	Kannagi, M., <i>et al.</i> , "Target Epitope in the Tax Protein of Human T-Cell Leukemia Virus Type I Recognized by Class I Major Histocompatibility Complex-Restricted Cells," <i>J. Virol.</i> 66:2928-2933, American Society for Microbiology (May 1992)	

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				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	<del>1631</del> 1647
				Examiner Name	Ardin H. Marschel A/RM
Sheet	4	of	8	Attorney Docket Number	2060.0320003

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author, title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher	T <sup>2</sup>
MPK	NPL29	Kast, W.M., <i>et al.</i> , "Protection against lethal Sendai virus infection by <i>in vivo</i> priming of virus-specific cytotoxic T lymphocytes with a free synthetic peptide," <i>Proc. Natl. Acad. Sci. USA</i> 88:2283-2287, National Academy Press (1991)	
	NPL30	Kast, W.M., <i>et al.</i> , "Strict peptide length is not required for the induction of cytotoxic T lymphocyte-mediated antiviral protection by peptide vaccination," <i>Eur. J. Immunol.</i> 23:1189-1192, VCH Verlagsgesellschaft mbH (May 1993)	
	NPL31	Krieger, J.I., <i>et al.</i> , "Single amino acid changes in DR and antigen define residues critical for peptide-MHC binding and T cell recognition," <i>J. Immunol.</i> 146:2331-2340, American Association of Immunologists (1991)	
	NPL32	Lipford, G.B., <i>et al.</i> , "Primary <i>in Vivo</i> Responses to Ovalbumin. Probing the Predictive Value of the K <sup>b</sup> Binding Motif," <i>J. Immunol.</i> 150:1212-1222, The American Association of Immunologists (February 1993)	
	NPL33	Maryanski, J.L., <i>et al.</i> , "Synthetic peptides as antigens and competitors in recognition by H-2-restricted cytolytic T cells specific for HLA," <i>J. Exp. Med.</i> 167:1391-1405, Rockefeller University Press (1988)	
	NPL34	Maryanski, J.L., <i>et al.</i> , "Competitor Analogs for Defined T Cell Antigens: Peptides Incorporating a Putative Binding Motif and Polyproline or Polyglycine Spacers," <i>Cell</i> 60:63-72, Cell Press (1990)	
	NPL35	Morrison, J., <i>et al.</i> , "Identification of the nonamer peptide from influenza A matrix protein and the role of pockets of HLA-A2 in its recognition by cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 22:903-907, VCH Verlagsgesellschaft mbH (April 1992)	
	NPL36	Niedermann, G., <i>et al.</i> , "The proteolytic fragments generated by vertebrate proteasomes: Structural relationships to major histocompatibility complex class I binding peptides," <i>Proc. Natl. Acad. Sci. USA</i> 93:8572-8577, National Academy Press (August 1996)	
	NPL37	Ochoa-Garay, J., <i>et al.</i> , "The ability of peptides to induce cytotoxic T cells <i>in vitro</i> does not strongly correlate with their affinity for the H-2L <sup>d</sup> molecule: implications for vaccine design and immunotherapy," <i>Mol. Immunol.</i> 34:273-281, Elsevier Science, Ltd. (February 1997)	

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				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1631-1647
				Examiner Name	Ardin H. Marschet <i>Aiken</i>
Sheet	5	of	8	Attorney Docket Number	2060.0320003

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<i>MPA</i>	NPL38	Pamer, E.G., <i>et al.</i> , "Precise prediction of a dominant class I MHC-restricted epitome of <i>Listeria monocytogenes</i> ," <i>Nature</i> 353:852-855, Macmillan Publishers, Ltd. (1991)	
	NPL39	Parham, P., <i>et al.</i> , "The Origins of HLA-A,B,C Polymorphism," <i>Immunol. Rev.</i> 143:141-180, Munksgaard (February 1995)	
	NPL40	Parker, K.C., <i>et al.</i> , "Peptide Binding to HLA-A2 and HLA-B27 Isolated from <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 267:5451-5459, American Society for Biochemistry and Molecular Biology, Inc. (March 1992)	
	NPL41	Parker, K.C., <i>et al.</i> , "Sequence motifs important for peptide binding to the human MHC class I molecule, HLA-A2," <i>J. Immunol.</i> 149:3580-3587, American Association of Immunologists (December 1992)	
	NPL42	Rammensee, H.-G., <i>et al.</i> , "Peptides Naturally Presented by MHC Class I Molecules," <i>Annu. Rev. Immunol.</i> 11:213-244, Annual Reviews, Inc. (January 1993)	
	NPL43	Reddehase, M.J., <i>et al.</i> , "A pentapeptide as minimal antigenic determinant for MHC class I-restricted T lymphocytes," <i>Nature</i> 337:651-653, Macmillan Publishers, Ltd. (1989)	
	NPL44	Romero, P., <i>et al.</i> , "H-2K <sup>d</sup> -restricted Antigenic Peptides Share a Simple Binding Motif," <i>J. Exp. Med.</i> 174:603-612, Rockefeller University Press (1991)	
	NPL45	Rothbard, J.B., "Major histocompatibility complex-peptide interactions," <i>Curr. Opin. Immunol.</i> 2:99-105, Current Biology, Ltd. (1989)	
	NPL46	Rötzschke, O., <i>et al.</i> , "Isolation and analysis of naturally processed viral peptides as recognized by cytotoxic T cells," <i>Nature</i> 348:252-254, Macmillan Publishers, Ltd. (1990)	
✓	NPL47	Rötzschke, O., <i>et al.</i> , "Characterization of Naturally Occurring Minor Histocompatibility Peptides Including H-4 and H-Y," <i>Science</i> 249:283-287, American Association for the Advancement of Science (1990)	

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				First Named Inventor	SETTE
				Art Unit	<del>1631</del> 1647
				Examiner Name	Ardin H. Marschel <i>Allen</i>
				Attorney Docket Number	2060.0320003
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<i>MPH</i>	NPL48	Rötzschke, O., and Falk, K., "Naturally-occurring peptide antigens derived from the MHC class-I-restricted processing pathway," <i>Immunol. Today</i> 12:447-455, Elsevier Science Publishers, Ltd. (1991)	
	NPL49	Rötzschke, O., <i>et al.</i> , "Peptide motifs of closely related HLA class I molecules encompass substantial differences," <i>Eur. J. Immunol.</i> 22:2453-2456, VCH Verlagsgesellschaft mbH (September 1992)	
	NPL50	Rötzschke, O., and Falk, K., "Origin, structure and motifs of naturally processed MHC class II ligands," <i>Curr. Opin. Immunol.</i> 6:45-51, Current Biology, Ltd. (February 1994)	
	NPL51	Rudinger, J., "Characteristics of the amino acids as components of a peptide hormone sequence," in <i>Peptide Hormones</i> , Parsons, J.A., ed., University Park Press, Baltimore, MD, pp.1-7 (1976)	
	NPL52	Ruppert, J., <i>et al.</i> , "Prominent Role of Secondary Anchor Residues in Peptide Binding to HLA-A2.1 Molecules," <i>Cell</i> 74:929-937, Cell Press (September 1993)	
	NPL53	Schulz, M., <i>et al.</i> , "Major histocompatibility complex binding and T cell recognition of a viral nonapeptide containing a minimal tetrapeptide," <i>Eur. J. Immunol.</i> 21:1181-1185, VCH Verlagsgesellschaft mbH (1991)	
	NPL54	Sette, A., <i>et al.</i> , "Prediction of major histocompatibility complex binding regions of protein antigens by sequence pattern analysis," <i>Proc. Natl. Acad. Sci. USA</i> 86:3296-3300, National Academy Press (1989)	
	NPL55	Sette, A., <i>et al.</i> , "Random association between the peptide repertoire of A2.1 class I and several different DR class II molecules," <i>J. Immunol.</i> 147:3893-3900, The American Association of Immunologists (1991)	
	NPL56	Sette, A., <i>et al.</i> , "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes," <i>J. Immunol.</i> 153:5586-5592, The American Association of Immunologists (December 1994)	
✓	NPL57	Sherman, L.A., <i>et al.</i> , "Extracellular Processing of Peptide Antigens That Bind Class I Major Histocompatibility Molecules," <i>J. Exp. Med.</i> 175:1221-1226, The Rockefeller University Press (May 1992)	

Examiner Signature <i>MP Allen</i>	Date Considered <i>11/28/05</i>
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<i>MPK</i>	NPL58	Shimojo, N., <i>et al.</i> , "Specificity of peptide binding by the HLA-A2.1 molecule," <i>J. Immunol.</i> 143:2939-2947, The American Association of Immunologists (1989)	
	NPL59	Sidney, J., <i>et al.</i> , "Several HLA Alleles Share Overlapping Peptide Specificities," <i>J. Immunol.</i> 154:247-259, The American Association of Immunologists (January 1995)	
	NPL60	Wentworth, P.A., <i>et al.</i> , "Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice," <i>Eur. J. Immunol.</i> 26:97-101, VCH Verlagsgesellschaft mbH (January 1996)	
	NPL61	Whitton, J.L., <i>et al.</i> , "Molecular Analyses of a Five-Amino-Acid Cytotoxic T-Lymphocyte (CTL) Epitope: an Immunodominant Region Which Induces Nonreciprocal CTL Cross-Reactivity," <i>J. Virol.</i> 63:4303-4310, American Society for Microbiology (1989)	
	NPL62	Yewdell, J.W., and Bennink, J.R., "Cell Biology of Antigen Processing and Presentation to Major Histocompatibility Complex Class I Molecule-Restricted T Lymphocytes," <i>Adv. Immunol.</i> 52:1-123, Academic Press (July 1992)	
	NPL63	York, I.A., and Rock, K.L., "Antigen processing and presentation by the class I major histocompatibility complex," <i>Annu. Rev. Immunol.</i> 14:369-396, Annual Reviews, Inc. (April 1996)	
	NPL64	Zhang, Q-J., <i>et al.</i> , "An HLA-A11-specific motif in nonamer peptides derived from viral and cellular proteins," <i>Proc. Natl. Acad. Sci. USA</i> 90:2217-2221, National Academy Press (March 1993)	
	NPL65	Parker, K.C., <i>et al.</i> , "Scheme for Ranking Potential HLA-A2 Binding Peptides Based on Independent Binding of Individual Peptide Side-Chains," <i>J. Immunol.</i> 152:163-175, The American Association of Immunologists (January 1994)	
	NPL66	Dialog File 351, Accession No. 7180926, Derwent WPI English language abstract for EP 0 226 513 (Document AM1)	
<i>✓</i>	NPL67	Dialog File 351, Accession No. 9263567, Derwent WPI English language abstract for WO 92/21033 (Document AP1)	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	SETTE
				Art Unit	1631 / 1647
				Examiner Name	Ardin H. Marscher Allen
Sheet	8	of	8	Attorney Docket Number	2060.0320003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author, title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher	T <sup>2</sup>
MPL	NPL68	Dialog File 351, Accession No. 9888606, Derwent WPI English language abstract for WO 94/11738 (Document AN2)	considered do not print
	NPL69	U.S. Patent Application No. 08/349,177, Grey <i>et al.</i> , filed December 2, 1994 (NOT PUBLISHED)	
	NPL70	U.S. Patent Application No. 09/017,735, Grey <i>et al.</i> , filed February 3, 1998 (NOT PUBLISHED)	
	NPL71	U.S. Patent Application No. 09/189,702, Sette <i>et al.</i> , filed December 10, 1998 (NOT PUBLISHED)	
	NPL72	U.S. Patent Application No. 10/030,014, Sette <i>et al.</i> , filed July 24, 2002 (NOT PUBLISHED)	

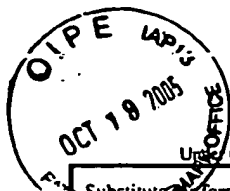
Examiner Signature	<i>mpallen</i>	Date Considered	11/28/05
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Substitute Form 1449/PTO <b>THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/894,018
				Filing Date	June 27, 2001
				First Named Inventor	Alessandro Sette
				Art Unit	1631 1847
				Examiner Name	Ardin H. Marschall <i>Alen</i>
Sheet	1	of	1	Attorney Docket Number	2060.0320003/EKS/PAC

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T <sup>2</sup>
<i>MPA</i>	NPL167	An, L.-L. and Whitton, J.L., "A Multivalent Minigene Vaccine, Containing B-Cell, Cytotoxic T-Lymphocyte, and T <sub>h</sub> Epitopes from Several Microbes, Induces Appropriate Responses In Vivo and Confers Protection against More than One Pathogen," <i>J. Virol.</i> 71:2292-2302, American Society for Microbiology (1997)	
<i>MPA</i>	NPL168	Chai, S.K., <i>et al.</i> , "Immunogenic Properties of Multiple Antigen Peptide Systems Containing Defined T and B Epitopes," <i>J. Immunol.</i> 149:2385-2390, The American Association of Immunologists (1992)	
<i>MPA</i>	NPL169	Shi, Y.P., <i>et al.</i> , "Immunogenicity and <i>in vitro</i> protective efficacy of a recombinant multistage <i>Plasmodium falciparum</i> candidate vaccine," <i>Proc. Natl. Acad. Sci. USA</i> 96:1615-1620, (February 1999)	
<i>considered don't print MPA</i>	NPL170	<del>Supplementary Partial European Search Report for European Application No. EP 00 98 9585, European Patent Office, The Netherlands, mailed September 19, 2005</del>	

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Examiner Signature	<i>Marianne P. Allen</i>	Date Considered	11/28/05
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